



<http://gateway.nlm.nih.gov>

Introduction

What?

- The NLM Gateway allows you to search simultaneously in multiple NLM retrieval systems using a single search interface.
- The Gateway was developed by the Lister Hill National Center for Biomedical Communications (LHNCBC) at the National Library of Medicine (NLM), located at the National Institutes of Health (NIH)
- Currently the Gateway searches:

<u>Journal Citations:</u>	PubMed
<u>Books/Serials/AVs:</u>	LOCATORplus
<u>Meeting Abstracts:</u>	HIV/AIDS-related, Health Services Research-related, and Space Life Sciences meeting abstracts
<u>Consumer Health:</u>	MEDLINEplus Health Topics MEDLINEplus Drug Information MEDLINEplus Medical Encyclopedia MEDLINEplus Current Health News MEDLINEplus Health Tutorials ClinicalTrials.gov
<u>Other Collections:</u>	DIRLINE: Directory of Health Organizations HSRProj: Health Services Research Projects in Process HSDB: Hazardous Substances Data Bank OMIM: Online Mendelian Inheritance in Man

Gateway access to additional NLM retrieval systems will happen over time.

- NLM Gateway is the *only* search interface for the following resources:
 - Meeting Abstracts
 - HSRProj
- Other systems (PubMed, LOCATORplus, MEDLINEplus) retain their own search interfaces.

Who?

Potential Gateway users could be:

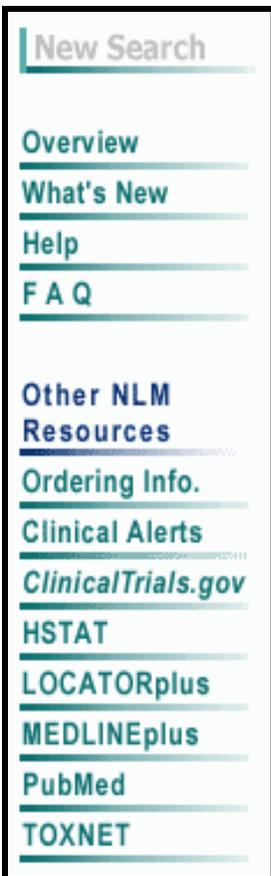
- Users new to NLM's online resources who do not know what type of information is available or how to best search for it.
- Users who want "one-stop searching."
- Users who want to search resources that are only in the NLM Gateway.

Where?

- Click on Health Information on the NLM home page. At the next screen, click on NLM Gateway.
- gateway.nlm.nih.gov

Gateway Home Page

Sidebar



New Search takes you to a clean search screen.

- **Overview** provides a brief overview of the Gateway.
- **What's New** gives users the latest news about the Gateway.
- **Help** provides detailed information about how to use the Gateway, database contents, and additional support.
- **FAQ** are Frequently Asked Questions about the Gateway.

Other NLM Resources:

- **Ordering Info.** is a link to the Loansome Doc feature that allows users to order full-text copies of articles from a local medical library (local fees and delivery methods may vary).
- **Clinical Alerts** expedite the release of findings from the NIH-funded clinical trials where such release of findings could significantly affect morbidity and mortality.
- Click on **ClinicalTrials.gov** to access the NIH/NLM web site for current information about clinical research studies.
- **HSTAT** links to Health Services/Technology Assessment Text system.
- **LOCATORplus** links to the NLM OPAC of books, journals, and audiovisuals.
- **MEDLINEplus** links to the NLM consumer health web site.
- **PubMed** links to PubMed (MEDLINE).
- **TOXNET** links to NLM's web site of toxicology and hazardous chemicals databases.

The Footnote



- Click on **Contact Us** to send an e-mail message to NLM Customer Service.
- Click on **U.S. National Library of Medicine, National Institutes of Health, Department of Health & Human Services** to access the Web pages of the agencies responsible for the creation and maintenance of the NLM Gateway.
- Click on **Freedom of Information Act** to link to NIH's Freedom of Information Act (FOIA) home page.
- Click on **Copyright** to link to NLM's Copyright statement.
- Click on **Privacy** to link to NLM's Privacy Notice statement.

Searching



- Enter the search term in the query box.
- Click on the Search button or use the Enter key.



The query box is available from every screen. You do not have to return to the homepage to enter a new search.

Searching Tips

- The default Gateway search is a subject search.
- You may enter one or more terms in the query box.
Example: vitamins
 vitamin c aged
 vitamin c aged common cold
- Multi-word search terms are searched as phrases when Gateway's Phrase Detection function identifies them as such.
- Search terms are mapped to MeSH (Medical Subject Headings) terms. For example, if your search term is heart attack, the phrase is mapped to myocardial infarction. Myocardial infarction is searched as a MeSH term in addition to heart attack being searched as text word. This mapping helps to provide more comprehensive results.
- For terms with British and American spellings, the text word search of a Gateway subject search will include both the British and the American spelling of the word.
- Search terms are automatically combined (ANDed) together.

Boolean Operators

- Use AND, OR, and NOT.
- The default Boolean operator is AND.
- Boolean operators AND, OR, and NOT must be in upper case (e.g., vitamin c OR zinc).
- The Gateway processes the AND and OR Boolean operators in a left-to-right sequence.
- The NOT operator is processed first.
- Nesting: You can change the order in which the Gateway processes the AND and OR operators in a search statement by enclosing the unit in parentheses. The terms inside the set of parentheses will be processed as a unit and then incorporated in the overall strategy.

Examples:

common cold AND (vitamin c OR zinc)
hay fever AND (claritin OR zyrtec)

Searching by Fields

- Searches can be refined using field qualifiers
- All field qualifiers should be entered *after* the search term.
- Field qualifiers must be in square brackets.
- Field qualifiers may be in upper or lower case.

Examples:

**common cold AND vitamin c[mh]
spanish [la]**

N.B.: When a search query includes qualified and unqualified search terms with no Boolean operators, the qualified terms should be entered first, e.g.,

lead screening[ti] children



The Gateway's **Help** lists all allowable search fields for every collection and their abbreviations.

- The most commonly used field qualifiers are Author, Title, and MeSH.

Author Name Searching

- Enter the author name in the format last name plus initials (no punctuation), followed by the field qualifier (i.e., [au] or [author]).
- You may enter only the last name or the last name and the first initial if you do not know the middle initial. The Gateway will truncate an author search for Journal Citations, Meeting Abstracts, and HSRProj (Other Collections). Books/Serials/AVs does not support author searching. There is no author field in the MEDLINEplus collections, ClinicalTrials.gov, DIRLINE, HSDB, and OMIM.

Examples:

Harris MI [au]
charron-prochownik d [au] AND siminerio [au]
Ferris F 3rd [author]

Note:

Author searching has not been implemented for the LOCATORplus collection (Books/Serials/AVs) in the current Gateway release. Search using an author's last name without a field qualifier in order to search an author in LOCATORplus.

You may search for investigators in **HSRProj** collection (Other Collections) using the author field qualifier. Investigator names in the HSRProj collection are displayed as full names but must be searched in the format last name plus initials (no punctuation)

Title Searching

- Enter one or more title words followed by the field qualifier (i.e., [ti] or [title]).

Examples:

AIDS [title] sexually transmitted diseases [title]
lyme disease [ti]
quality of life [title]
managed care [ti] quality [ti]

MeSH Searching

- Enter the MeSH term followed by the field qualifier (i.e., [mh] or [mesh]).
- Subheadings may be entered in full or the two-character abbreviation may be used.
- To search for a MeSH term with one or more subheadings, enter the MeSH term, a forward slash, and one or more subheadings, followed by the field qualifier (e.g., [mesh]).
- If multiple subheadings are entered for one MeSH term, the subheadings will be ORed together (e.g., myocardial infarction/su/dt [mh] is equivalent to myocardial infarction/su [mh] OR myocardial infarction/dt [mh]).

Examples:

lyme disease[mh]
macular degeneration/therapy [mesh]
myocardial infarction/su/dt [mh]
Lice [mh]

- Explosions : If a MeSH term or MeSH major topic is entered, it will be automatically exploded in PubMed/MEDLINE (Journal Citations) only.
- To turn off automatic explosion, enter the field qualifier followed by ":noexp" (e.g., [mh:noexp])
- For other collections, MeSH terms are not exploded.

Search Results

Results Summary

When the search is completed, the Gateway displays the Results Summary that includes:

- The number of **Items Found** in each category
- A **Display Results** button for each category to see the retrieved items for that category
- A **Details of Search** button for each category to see how the Gateway translated your search strategy for that category.

Results Summary for “hay fever” search:

The screenshot shows the NLM Gateway search results page for the query "hay fever". The search bar contains "hay fever" and the "Search" button is visible. Below the search bar, there are navigation tabs: "Find Terms", "Limits", "Results" (selected), "History", "Locker", and "Preferences". The main content area is titled "Results Summary" and contains a table with the following data:

Category	Items Found	Actions	
Journal Citations	8565	Display Results	Details of Search
Books / Serials / AVs	160	Display Results	Details of Search
Consumer Health	407	Display Results	Details of Search
Meeting Abstracts	5	Display Results	Details of Search
Other Collections	0	Display Results	Details of Search
Total	9137		

On the left side of the page, there is a sidebar with various links and sections, including "New Search", "View", "What's New", "FAQ", "Other NLM Sources", "Getting Info.", "Medical Alerts", "ClinicalTrials.gov", "NLM", and "ATORplus".

Note: To see the collection(s) included in a category and a brief description of each, click on the category name.

Results Summary

- **Spell Checking**

Gateway processes search terms through a spell checker. If a spelling error is found, Gateway displays a notice above the results summary.

The screenshot shows the NLM Gateway search interface. At the top, a search bar contains the text "disphagia intreferon". Below the search bar are navigation tabs: "Find Terms", "Limits", "Results", "History", "Locker", and "Preferences". The "Results" tab is active. On the left side, there is a vertical menu with links such as "New Search", "Review", "What's New", "Help", "FAQ", "Other NLM sources", "Learning Info.", "Clinical Alerts", "ClinicalTrials.gov", "TAT", "CATORplus", "OLINEplus", and "PubMed".

The main content area is titled "Results Summary". Below the title, a note reads: "Note: Possible spelling error(s) found in your query." To the right of this note is a "Details" button. Below the note is a table with three columns: "Category", "Items Found", and "Actions".

Category	Items Found	Actions
Journal Citations	0	<input type="button" value="Display Results"/> <input type="button" value="Details of Search"/>
Books / Serials / AVs	0	<input type="button" value="Display Results"/> <input type="button" value="Details of Search"/>
Consumer Health	0	<input type="button" value="Display Results"/> <input type="button" value="Details of Search"/>
Meeting Abstracts	0	<input type="button" value="Display Results"/> <input type="button" value="Details of Search"/>
Other Collections	0	<input type="button" value="Display Results"/> <input type="button" value="Details of Search"/>
Total	0	

Details of the Spell Check reports the term(s) entered incorrectly and offers suggested corrections.

The "Spell Check" dialog box contains the following text: "Possible spelling error(s) are found below. Select from the list or type into the text box below, and click on the 'Search with Correction(s)' button to rerun the search."

Below the text, there are two columns of suggestions:

- For "disphagia", the suggestion "dysphagia" is highlighted in a blue box. Below it is an empty text input field.
- For "intreferon", the suggestions "interferon", "interferone", and "intravirion" are listed. "interferon" is highlighted in a blue box. Below the list is an empty text input field.

At the bottom of the dialog box, there are two buttons: "Search With Correction(s)" and "Cancel".

Results Summary

- **Display Results**

Search for 'hay fever' items in the British Medical Journal (BMJ [TA]). Under **Actions** on the Results Summary, click on **Display Results** for the **Journal Citations** category.

Results Display: Journal Citations

Arrows navigate forward/backward.

Jump to Page button – fill in the page number.

Jump to Collection allows jumping to another collection in the category

Expand will take you to a fuller display for that individual citation

Related Articles takes you to a set of citations closely related to the selected article.

Use check boxes to select multiple items. Then click on **Download or Display**.

Order Documents enables users to order full text copies of journal articles through the Loansome Doc ordering feature.

The **Put in Locker** button puts selected items in your locker.

Results

Journal Citations (1 collection searched)

Displaying items 1 - 20 of 68 found

Download or Display

Order Documents

Put in Locker

Deselect All

Page 1 of 4



Jump to Page

Jump to Collection

Pick A Collection ▾

- 1 **Treatment of seasonal allergic rhinitis: useless versus helpful allergy therapy.**
 Expand Loren ML.
BMJ. 2003 Nov 22;327(7425):1229. No Abstract Available.
 PMID: 14630781 [PubMed - indexed for MEDLINE]
 Related Articles From PubMed
- 2 **Treatment of seasonal allergic rhinitis: desensitisation for hay fever works.**
 Expand Durham SR.
BMJ. 2003 Nov 22;327(7425):1229. No Abstract Available.
 PMID: 14630778 [PubMed - indexed for MEDLINE]
 Related Articles From PubMed
- 3 **Enzyme potentiated desensitisation in treatment of seasonal allergic rhinitis: double blind randomised controlled study.**
 Expand Radcliffe MJ, Lewith GT, Turner RG, Prescott P, Church MK, Holgate ST.
BMJ. 2003 Aug 2;327(7409):251-4.
 PMID: 12896934 [PubMed - indexed for MEDLINE]
 From PubMed
[*** Free in PubMed Central ***](#)
- 4 **Treating seasonal allergic rhinitis. Trial does not show that there is no difference between butterbur and cetirizine.**
 Expand McArthur CA, Arnott N.
BMJ. 2002 May 25;324(7348):1277; author reply 1277. No Abstract Available.
 PMID: 12033216 [PubMed - indexed for MEDLINE]
 Related Articles From PubMed
- 5 **Treating seasonal allergic rhinitis. Well designed experiments should have been**

[* Free in PubMed Central *](#) links to the full-text article in PubMed Central.

Using **Jump to Collection**

Return to the Results Summary and select Display Results for Consumer Health

hay fever Search

Find Terms Limits Results History Locker Preferences

Results Summary

Category	Items Found	Actions	
Journal Citations	8565	Display Results	Details of Search
Books / Serials / AVs	160	Display Results	Details of Search
Consumer Health	407	Display Results	Details of Search
Meeting Abstracts	5	Display Results	Details of Search
Other Collections	0	Display Results	Details of Search
Total	9137		

To access DIRLINE items:

- Use **Pick A Collection** pull-down
- Select **DIRLINE: Directory of Health Orgs**
- Click **Jump to Collection** button.

Consumer Health (7 collections searched) Download or Display Order Documents Put in Locker Des All

Displaying items 1 - 20 of 841 found

Page 1 of 45 Jump to Page Jump to Collection

1 **Allergy**
<http://www.nlm.nih.gov/medlineplus/allergy.htm>
 From MEDLINEplus Health Topics

2 **Food Allergy**
<http://www.nlm.nih.gov/medlineplus/foodallergy.htm>
 From MEDLINEplus Health Topics

DIRLINE: Directory of Health Orgs
 Pick A Collection
 MEDLINEplus Health Topics
 MEDLINEplus Drug Information
 MEDLINEplus Medical Encyclopedia
 MEDLINEplus Current Health News
 MEDLINEplus Health Tutorials
 ClinicalTrials.gov
DIRLINE: Directory of Health Orgs

Results: Gateway takes you to the page where the display of DIRLINE items begins.

Page 23 of 23 Jump to Page Jump to Collection Pick A Collection

406 **Allergy/Asthma Information Association**
 (AAIA)
 Box 100
 Toronto, ON M9W 5K9
 Canada
 (800) 611-7011 (toll-free)
 (416) 679-9521
 (416) 679-9524 Fax
 national@aaia.ca
<http://www.aaia.ca>

From DIRLINE: Directory of Health Orgs

Results Summary

- **Details of Search**

Under Actions, click on **Details of Search** for the **Books / Serials / AVs** category.

- Details of Search lets you view your search strategy as it was translated using the Gateway's automatic term mapping and search rules and syntax
- Details of Search contains warning and error messages.
If a search fails, check Details of Search
- The **Display Results** button will take you directly to the results for that category.

Details of Search

[Display Results](#)

Books / Serials / AVs

LOCATOR _{plus}	
Translated Search	Items
((hay fever/KeyWordAnywhere) OR (hay fever/MeSH))	157

[URL](#)

Saving search strategies



- Below the Translated Search(es) is a **URL** button. To save the search strategy, click on the URL button. A new browser window will open with the Results Summary page for the search.
- Use the browser's Bookmarks or Favorites feature to save the search. Then close the browser window and continue with Gateway searching.

Display of a Gateway Item

- Items retrieved are initially displayed in a **Brief Format**.

<input type="checkbox"/>	Mode of delivery and risk of developing allergic disease.
Expand	McKeever TM, Lewis SA, Smith C, Hubbard R.
Related Articles	<i>J Allergy Clin Immunol.</i> 2002 May;109(5):800-2.
	PMID: 11994703 [PubMed - indexed for MEDLINE]
	From PubMed

- The **Expanded Format** provides more information.

Notice the **Related Articles** link, the **Publisher Link** for full-text, and **LinkOut**. These links are only on PubMed citations.

Page 470 of 8709	Jump to Page	471	Jump to Collection	Pick A Collection ▾
Related Articles	Mode of delivery and risk of developing allergic disease.			
Publisher Link	McKeever TM, Lewis SA, Smith C, Hubbard R.			
LinkOut	<i>J Allergy Clin Immunol.</i> 2002 May;109(5):800-2.			
	Division of Respiratory Medicine, University of Nottingham, United Kingdom.			
	The aim of this study was to quantify the relationship between mode of delivery and subsequent incidence of allergic disease. The analysis is based on data derived from a birth cohort of 24,690 children who contributed data to the West Midlands General Practice Research Database. We found no convincing evidence to suggest that babies born by caesarean, forceps, or breech delivery had an increased risk of developing allergic disease.			
	Publication Types:			
	<ul style="list-style-type: none"> Journal Article 			
	MeSH Terms:			
	<ul style="list-style-type: none"> Asthma/epidemiology Breech Presentation Cesarean Section Child Child, Preschool Cohort Studies Delivery, Obstetric/*methods Eczema/epidemiology Female Hay Fever/epidemiology Human Hypersensitivity/*epidemiology Incidence Infant Infant, Newborn Pregnancy Risk Assessment Support, Non-U.S. Gov't Surgical Instruments Vacuum Extraction, Obstetrical 			
	PMID: 11994703 [PubMed - indexed for MEDLINE]			

A table of all collections and the data elements found in the Brief format and Expanded format for each is available in Help.



Download or Display function

- On Results display, select citations you wish to download or display further.
- Click the **Download or Display** button at the top or bottom of the Results page.
- Make your selections from the Download or Display screen.
- Click **Go**.

Download or Display screen:

Download or Display

NOTE: The maximum number of items for downloading is 500. Downloading hundreds of items may take several minutes.

Journal Citations	7974
Books / Serials / AVs	154
Consumer Health	371
Meeting Abstracts	3
Other Collections	1
Total Items Found	8503

Address if sending via email

Starting with item fetch items.

Results from

Details

Format

Destination

Download or send as

Added message if sending via email (optional)

- Use the **Fetch** pull-down menu to select the number of items to download or display. The maximum number of items for downloading/displaying at one time is 500.
- Use the **Results from** pull-down menu to select the category/location of the items to be downloaded/displayed. Choices are All Categories, any single category, Selected Items or Locker. The default items are items from the last category viewed.
- Use the **Details** pull-down menu to select the display content. Choices are Brief, Expanded, and Complete. The default details is Brief.
- Use the **Destination** pull-down menu to select the destination for the items to be downloaded or displayed. Choices are Display in Browser, Display for Printing, Save to File, and Send via Email. The default destination is Display in Browser.
- Use the **Format** pull-down menu to select the format: the default Format is Unlabelled. Labelled = labels each field with the full field name. Export = labels each field with the field name abbreviation. The Export format is used for importing data into bibliographic management programs.
- Use the **Download or send as** pull-down menu to select Text or Html. The default is Text.

Download or Display Tips:

- ✓ **Display for Printing** allows you to display your citations as ASCII text without the sidebar menu and toolbars on each page.
- ✓ Use the print function of your Web browser to print all of the information and citations displayed on your web page.
- ✓ You can only print citations from the page displayed for printing.
- ✓ If you choose **Send via Email**, you must enter an email address before clicking on the Go button. An accompanying message may be entered in the box provided. The email address is verified and you are notified that the data was successfully sent or when an error in the address causes the email delivery to fail. The latter enables the user to correct the address and ensure delivery of the email.
- ✓ The **Download or send as** option applies only to the Save to File and Send via Email destinations.



Order Documents function

To order items from your current search, use the Order Documents button. The Order Documents button enables you to order documents directly from the Results display page.

- Use checkboxes to select items for ordering.
- Click on the **Order Documents** button at the top or bottom of the Results page.

Mark the items using the check boxes.

Click on **Order Documents** button.

Results

Journal Citations (1 collection searched)
[Download or Display](#)
[Order Documents](#)
[Put in Locker](#)
[Deselect All](#)

 Displaying items 1 - 20 of 898 found

Page 1 of 45 [Jump to Page](#) [Jump to Collection](#) Pick A Collection ▾

- 1 **Enzyme potentiated desensitisation in treatment of seasonal allergic rhinitis: double blind randomised controlled study.**
[Expand](#)
 Radcliffe MJ, Lewith GT, Turner RG, Prescott P, Church MK, Holgate ST.
BMJ. 2003 Aug 2;327(7409):251-4.
 PMID: 12896934 [PubMed - indexed for MEDLINE]
 From PubMed
- 2 **Immunotherapy for hayfever.**
[Expand](#)
 Durham SR, Walker S.
Chem Immunol. 2000;78:199-208. No Abstract Available.
 Publication Types:
[Related Articles](#)
 Review
 PMID: 12847731 [PubMed - indexed for MEDLINE]
 From PubMed
- 3 **Effective therapies for managing seasonal allergic rhinitis.**
[Expand](#)
 Cross S.
Community Nurse. 2000 Apr;6(3):17-8. No Abstract Available.
 PMID: 12778501 [PubMed - indexed for MEDLINE]
[Related Articles](#)
 From PubMed
- 4 **[A preliminary study on the incidence of cedar pollinosis in district of Wuhan]**
[Expand](#)
 Xu LJ, Zhang SY, Yang Q, Cheng L, Yin M, Miyoshi A.
Lin Chuang Er Bi Yan Hou Ke Za Zhi. 2000 Nov;14(11):505-6. Chinese.
 PMID: 12563944 [PubMed - indexed for MEDLINE]
[Related Articles](#)
 From PubMed

- The Gateway Document Ordering page will be displayed, containing your selected items.
Note: articles that are Free in PubMed Central are flagged with a link to the full-text article and do not need to be ordered.

Document Ordering

The Order Documents button will open a new browser window to Loansome Doc Ordering.

A list of 3 document(s) you have requested will be forwarded. Follow the Loansome Doc instructions to complete your document order.

Order Documents

1 Enzyme potentiated desensitisation in treatment of seasonal allergic rhinitis: double blind randomised controlled study.

Radcliffe MJ, Lewith GT, Turner RG, Prescott P, Church MK, Holgate ST.

BMJ. 2003 Aug 2;327(7409):251-4.

PMID: 12896934 [PubMed - indexed for MEDLINE]

From PubMed

[*** Free in PubMed Central ***](#)

2 Immunotherapy for hayfever.

Durham SR, Walker S.

Chem Immunol. 2000;78:199-208. No Abstract Available.

Publication Types:

Review

PMID: 12847731 [PubMed - indexed for MEDLINE]

From PubMed

3 Antisense-mediated silencing of a gene encoding a major ryegrass pollen allergen.

Bhalla PL, Swoboda I, Singh MB.

Proc Natl Acad Sci U S A. 1999 Sep 28;96(20):11676-80.

PMID: 10500236 [PubMed - indexed for MEDLINE]

From PubMed

[*** Free in PubMed Central ***](#)

- Review your choices. You may go to the articles in PubMed Central at this time or later. To continue with the ordering process for the other articles: Return to the selections on the Results Display and “uncheck” those that are Free in PubMed Central. Click "Order Documents" once more and then the "Order Documents" button on the Ordering Page.
- The Loansome Doc Ordering page will open in a separate browser window.
- You can also order documents through your Locker and its ‘Order Documents’ feature. (See the section on Locker)

Practice Exercises

1. Locate information on alternative medicine and arthritis. Are there any clinical trials currently recruiting volunteers?
2. Find organizations where I can obtain information about Amyotrophic Lateral Sclerosis (ALS; also known as Lou Gehrig's Disease) How many were retrieved? How many are devoted solely to that disease? Are any located in the Midwest US?
3. Find information in French on HIV antibodies. How many books and how many meeting abstracts were retrieved? [Remember: Gateway supports Searching by Fields.]
4. I am interested in the use of lasers to treat glaucoma. Select ten (10) English language journal citations that have been indexed for MEDLINE and email them to [*instructor's email address*]. Add a message/comment and signature to your email.

Suggested Answers: Practice Exercises

1. Locate information on alternative medicine and arthritis. Are there any clinical trials currently recruiting volunteers?

Type the search terms in the query box. Use the Enter key or click on the **Search** button.

The screenshot shows the NLM Gateway search interface. The search box contains the text "alternative medicine AND arthritis". To the right of the search box are two buttons: "Search" and "Clear Search". Below the search box is a row of navigation buttons: "Find Terms", "Limits", "Results", "History", "Locker", and "Preferences". The "Results" button is highlighted.

Display Results for Consumer Health. On Results Display screen, select ClinicalTrials.gov from the **Pick a Collection** pull-down menu. Click on the **Jump to Collection** button. Note number of clinical trials that are recruiting volunteers.

The screenshot shows the NLM Gateway Results page. The page title is "Results". Below the title, it says "Consumer Health (7 collections searched)" and "Displaying items 856 - 861 of 863 found". There are four buttons: "Download or Display", "Order Documents", "Put in Locker", and "Deselect All". Below these buttons, it says "Page 47 of 48". There are two "Jump to" buttons: "Jump to Page" and "Jump to Collection". The "Jump to Page" button has a text box containing "48". The "Jump to Collection" button has a pull-down menu with the text "Pick A Collection". Below the navigation buttons, there are three search results:

- 856 Women's Use of Alternative Medicine: A Multiethnic Study**
 Conditions: Uterine Fibroids; Osteoporosis; Urinary Tract Infection; High Blood Pressure; Heart Disease; Arthritis; Depression; Headaches
<http://clinicaltrials.gov/show/NCT00067249>
 Status: Completed
 From *ClinicalTrials.gov*
- 857 Efficacy of Acupuncture with Physical Therapy for Knee Osteo-Arthritis**
 Conditions: Osteoarthritis
<http://clinicaltrials.gov/show/NCT00035399>
 Status: Recruiting
 From *ClinicalTrials.gov*
- 858 Glucosamine/Chondroitin Arthritis Intervention Trial (GAIT)**
 Conditions: Osteoarthritis
<http://clinicaltrials.gov/show/NCT00032890>
 Status: Recruiting
 From *ClinicalTrials.gov*

2. Find organizations where I can obtain information about Amyotrophic Lateral Sclerosis (ALS; also known as Lou Gehrig's Disease) How many were retrieved? How many are devoted solely to that disease? Are any located in the Midwest US?

Step 1: Type the search terms in the query box. Use the Enter key or click on the **Search** button.

Step 2: Display Results for Consumer Health. On the Results Display screen, select DIRLINE: Directory of Health Orgs. from the **Pick a Collection** pull-down menu. Click on the **Jump to Collection** button.

Note number of organizations displayed. Find those which are specifically and solely for ALS. Locate any that are in the Midwest US.

3. Find information in French on HIV antibodies. How many books and how many meeting abstracts were retrieved? [Remember: Gateway supports Searching by Fields.]

Step 1: Type the search terms in the query box, qualifying French by Language [la]. (Note: you can use the full name of the language or the 3-letter code, e.g., fre) Use the Enter key or click on the **Search** button.

fre [la] hiv antibodies						Search	Clear Search
Find Terms	Limits	Results	History	Locker	Preferences		

OR

hiv antibodies AND french [la]						Search	Clear Search
Find Terms	Limits	Results	History	Locker	Preferences		

Step 2: Results.

Results Summary		
Category	Items Found	Actions
Journal Citations	122	Display Results Details of Search
Books / Serials / AVs	1	Display Results Details of Search
Consumer Health	101	Display Results Details of Search
Meeting Abstracts	28	Display Results Details of Search
Other Collections	0	Display Results Details of Search
Total	252	

4. I am interested in the use of lasers to treat glaucoma. Select ten (10) English language journal citations that have been indexed for MEDLINE and email them to [instructor's email address]. Add a message/comment and signature to your email.

* **Step 1:** Type the search terms in the query box. Use the Enter key or click on the **Search** button.

The screenshot shows the NLM Gateway search interface. At the top left is the NLM logo. The main heading is 'Gateway' with the tagline 'your entrance to the knowledge resources of the National Library of Medicine'. Below this is a search box containing the text 'glaucoma AND laser AND treatment'. To the right of the search box are 'Search' and 'Clear Search' buttons. Below the search box are several navigation buttons: 'Find Terms', 'Limits', 'Results', 'History', 'Locker', and 'Preferences'.

Step 2: Display results for Journal Citations. Select 10 journal citations for English language articles, indexed for MEDLINE.

The screenshot shows search results for 'glaucoma AND laser AND treatment'. Two results are displayed:

- 10** **Transscleral diode laser contact cyclophotocoagulation in the treatment of different glaucomas, also as primary surgery.**
Expand
Related Articles
Kramp K, Vick HP, Guthoff R.
Graefes Arch Clin Exp Ophthalmol. 2002 Sep;240(9):698-703.
PMID: 12271364 [PubMed - in process]
From PubMed
- 11** **Glaucoma.**
Expand
Related Articles
Shah R, Wormald R.
Clin Evid. 2002 Jun;(7):589-96. No Abstract Available.
PMID: 12230685 [PubMed - indexed for MEDLINE]
From PubMed

[N.B.: citations that have no Language displayed after the pagination are in English.]

Step 3: Go to Download and Display. Select Destination, input email address and message

The screenshot shows the 'Download or Display' form. At the top is a note: 'NOTE: The maximum number of items for downloading is 500. Downloading hundreds of items may take several minutes.' Below this is a table showing collection counts:

Journal Citations	2490
Books / Serials / AVs	10
Consumer Health	888
Meeting Abstracts	0
Other Collections	9
Total Items Found	3397

Below the table are several options for downloading or displaying results:

- Starting with item fetch items.
- Results from
- Details
- Format
- Destination
- Download or send as

At the bottom, there is a field for 'Address if sending via email' with the value 'demseyan@mail.nih.gov' and a field for 'Added message if sending via email (optional)' with the value 'Success! Student Extraordinaire'. A 'Go' button is at the bottom.

Step 4: Click on **GO**.

* Optional Step 1: Search by field, adding English [la] to search query, i.e., glaucoma AND laser AND treatment AND English [la]

Features

Gateway's *Features* enhance and/or refine search and display operations. The *Features Bar* is located under the query box.



Find Terms

- Use Find Terms to select search terms from the MeSH vocabulary and the Unified Medical Language System (UMLS) metathesaurus.
- Click on **Find Terms** on the Features Bar.

On the initial **Find Terms** screen, type the term you want to find, e.g., **shingles**.

Find Terms

Find terms, their definitions, and related terms, using NLM's MeSH and UMLS Metathesaurus.

- Medical Subject Headings (MeSH) is NLM's controlled vocabulary thesaurus. MeSH terminology provides a consistent way to retrieve information that may use different terminology for the same concepts.
- NLM's Unified Medical Language System (UMLS) Metathesaurus contains information about biomedical concepts and terms from many sources.

After clicking on Find Terms, you will see a graphic similar to that on the next page.

Note the definition.

Click on **Related Concepts** to see other related terms.

Click on **View MeSH Information** for additional details about the term.

Use the **Add to Search** button and the **Connector** pull-down to add this term to your search strategy.

Use the **Main point of item** checkbox to limit the term to the main point of the article.

Use the **Do not explode this term** checkbox to turn off automatic explosion in PubMed.

Click on **Subheading Definitions** if you need to check a subheading definition.

Select subheading(s) to attach to your term by clicking on the checkbox.

Note the MeSH hierarchical tree structure(s) where the term is found.

Concept Details

Herpes Zoster
 An acute infectious, usually self-limited, disease believed to represent activation of latent varicella-zoster virus (HERPESVIRUS 3, HUMAN) in those who have been rendered partially immune after a previous attack of chickenpox. It involves the sensory ganglia and their areas of innervation and is characterized by severe neuralgic pain along the distribution of the affected nerve and crops of clustered vesicles over the area. (From Dorland, 27th ed)

Related Concepts
View MeSH Information

Add to Search
using Connector:
AND
or
Cancel

Main point of item
 Do not explode this term

With Subheadings: Subheading Definitions

<input type="checkbox"/> blood <input type="checkbox"/> cerebrospinal fluid <input type="checkbox"/> chemically induced <input type="checkbox"/> classification <input type="checkbox"/> complications <input checked="" type="checkbox"/> congenital <input type="checkbox"/> diagnosis <input type="checkbox"/> diet therapy <input checked="" type="checkbox"/> drug therapy <input type="checkbox"/> economics <input type="checkbox"/> embryology <input checked="" type="checkbox"/> enzymology <input type="checkbox"/> epidemiology <input checked="" type="checkbox"/> ethnology <input type="checkbox"/> etiology <input type="checkbox"/> genetics <input checked="" type="checkbox"/> history <input type="checkbox"/> immunology <input type="checkbox"/> metabolism	<input type="checkbox"/> microbiology <input type="checkbox"/> mortality <input type="checkbox"/> nursing <input checked="" type="checkbox"/> parasitology <input type="checkbox"/> pathology <input checked="" type="checkbox"/> physiopathology <input type="checkbox"/> prevention & control <input type="checkbox"/> psychology <input checked="" type="checkbox"/> radiography <input type="checkbox"/> radionuclide imaging <input type="checkbox"/> radiotherapy <input checked="" type="checkbox"/> rehabilitation <input type="checkbox"/> surgery <input checked="" type="checkbox"/> therapy <input type="checkbox"/> transmission <input type="checkbox"/> ultrasonography <input checked="" type="checkbox"/> urine <input type="checkbox"/> veterinary <input type="checkbox"/> virology
---	--

MeSH Tree 1

- ▶ All MeSH Categories
 - ▶ Diseases (MeSH Category)
 - ▶ Virus Diseases
 - ▶ DNA Virus Infections
 - ▶ Herpesviridae Infections
 - ▶ Bell Palsy
 - ▶ Chickenpox
 - ▶ Cytomegalovirus Infections
 - ▶ Encephalitis, Herpes Simplex
 - ▶ Encephalitis, Varicella Zoster
 - ▶ Epstein-Barr Virus Infections
 - ▶ Herpes Simplex
 - ▼ **Herpes Zoster**
 - ▶ Herpes Zoster Ophthalmicus
 - ▶ Herpes Zoster Oticus

- Adjust the ‘shingles’ search by selecting the subheading **complications**.
- Click on the **Add to Search** button.

Check the **complications** subheading.

Then click on the **Add to Search** button.

If there is no term already in the query box, the default connector **AND** will be ignored.

Herpes Zoster
 An acute infectious, usually self-limited, disease believed to represent activation of latent varicella-zoster virus (HERPESVIRUS 3, HUMAN) in those who have been rendered partially immune after a previous attack of chickenpox. It involves the sensory ganglia and their areas of innervation and is characterized by severe neuralgic pain along the distribution of the affected nerve and crops of clustered vesicles over the area. (From Dorland, 27th ed)

[Related Concepts](#) [View MeSH Information](#)

[Add to Search](#) using Connector: AND or [Cancel](#)

Main point of item
 Do not explode this term

With Subheadings: [Subheading Definitions](#)

<input type="checkbox"/> blood	<input type="checkbox"/> microbiology
<input type="checkbox"/> cerebrospinal fluid	<input type="checkbox"/> mortality
<input type="checkbox"/> chemically induced	<input type="checkbox"/> nursing
<input type="checkbox"/> classification	<input type="checkbox"/> parasitology
<input checked="" type="checkbox"/> complications	<input type="checkbox"/> pathology
<input type="checkbox"/> congenital	<input type="checkbox"/> physiopathology

Returning to the Search page, the selected term has been entered in the search query box.

Herpes Zoster/complications[MESH] [Search](#) [Clear Search](#)

[Find Terms](#) [Limits](#) [Results](#) [History](#) [Locker](#) [Preferences](#)

New Search **Find Terms**
 Find terms, their definitions, and related terms, using NLM's MeSH and UMLS Metathesaurus.

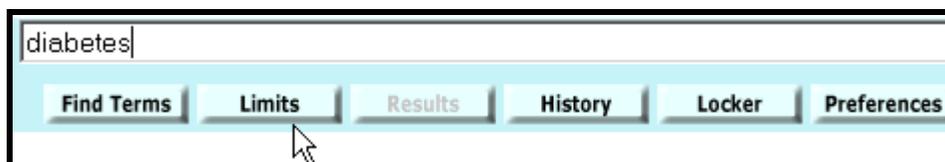
[Overview](#)
[What's New](#)
[Help](#)
[FAQ](#)

[Find Terms](#)

Use the Enter key or click on the **Search** button to have the Gateway run your search.

Limits

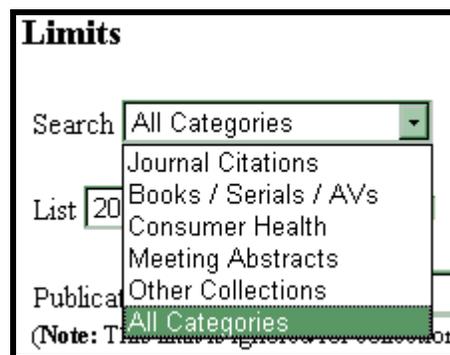
- Enter search term in the query box. Click on **Limits** on the Features Bar.



Limits screen:

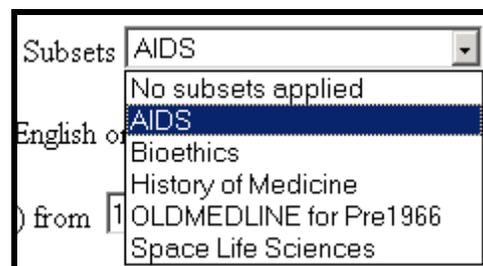
Use the Search pull-down menu to select the category to be searched.

- You may search all categories or one category.



Use the Subsets pull-down menu to select the subset to limit retrieval to particular citations.

- You may apply no subsets or one subset.



Use the List Items per Page pull-down menu to select the number of items displayed on the Results display page.

- 20 items per page is the default.



English Only Limit

- Searching all languages is the default.
- Use the English only option to limit your search to English language items only.

Limits

Search Subsets

List items per page English only

Publication dates (YYYY/MM/DD) from to (default is All Dates)

(Note: This limit is ignored for collections that do not support searching by date ranges)

*Click in the box to select **English Only***



This limit is ignored in the collections in the Consumer Health category and the Other Collections category.

Publication Date Limit

- Searching all years is the default.
- Use the from/to boxes to limit your search to specific publication dates.
- One publication date or a date range may be searched.

Limits

Search Subsets

List items per page English only

Publication dates (YYYY/MM/DD) from to (default is All Dates)

(Note: This limit is ignored for collections that do not support searching by date ranges)

Fill in the Publication date range.

- A publication date or date range may be searched using the format YYYY/MM/DD (e.g., from 1998/02/02 to 2000/12/31). Months and days are optional and will be used only in searching PubMed. All other collections will be searched for the publication year only.



- This limit is ignored in the Consumer Health category and in the HSDB And OMIM collections in the Other Collections category.
- Only one publication year may be searched in LOCATORplus (Books/Serials/AVs). If a year range is entered, it will be ignored.
- You may limit by project year(s) in the HSRProj collection (Other Collections). All intermediate years as well as the initial year and final year will be searched.

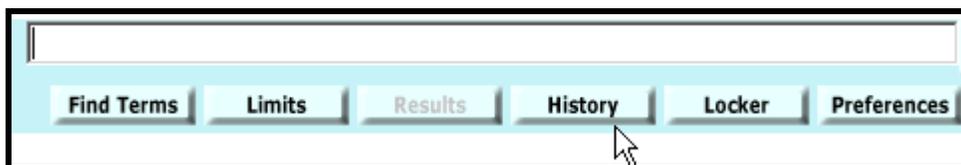
Limits Display

When Gateway completes a search with limits, the limits are displayed under the Features bar.



History

- Click on **History** on the Features Bar to view your search history.



- Search strategies and results for as many as the last 25 searches will be displayed.
- Once the maximum number of searches (25) has been reached, Gateway will remove the oldest search from the History to add the most current search.
- You can use the Search Number(s) in a subsequent search. You can build on a search (e.g., add terms: #1 AND zinc), and you can combine searches, using search numbers and Boolean operators (e.g., #1 AND #2).
- Your Search History will be lost when you close your web browser.

Search History

[Clear History](#)

Search Number	Search	Items Found	Actions	
#3	Search: diabetes	214277	Results	Delete
#2	Search: Herpes Zoster/complications[MESH]	2474	Results	Delete
#1	Search: hay fever	9147	Results	Delete

- To build on a search, enter its search number preceded by the pound sign (#) in the search box.
- Then add additional terms after the search number (e.g., #1 AND macular degeneration).

Locker

- Your locker is a place to collect selected search items for printing, downloading or ordering.
- You must Login to use the Locker. Login requires a user ID and password. Registration is free.

Locker Login: Click the **Locker** button on the Features Bar to open the Login page.

Enter your
User ID and
Password to
Login

OR

If you do not
have a User
ID, click on
the **Create
New User ID**
button.

Login

The Locker and Preferences features require a login. The Locker allows users to collect selected search items for printing, downloading or document ordering. The Preferences feature allows users to change their password and to set personal choices to customize their search session.

User ID:

Password:

Use Preferences

- Note that you can elect to Login using your Preferences.
- Gateway confirms that you are successfully Logged in and whether you are or are not using your Preferences (e.g., “(Logged in; not using preferences)”).

Marking and putting items in your Locker

- In the Results Display, use the check boxes to select items you wish to store in your locker.
- Click on the **Put In Locker** button at the top or bottom of the Results page.

Mark the items
using the check
boxes.

Click on **Put in
Locker** button.

[New Search](#) **Results (Logged in; not using preferences)**

Overview **Journal Citations (2 collections searched)** Download or Display Order Documents **Put in Locker**
 What's New **Displaying items 21 - 40 of 7982 found** Deselect All

Help Page 2 of 401 Jump to Page 3 Jump to Collection Pick A Collection

F A Q

Other NLM Resources **21** **Natural history of hay fever and pollen sensitization, and doctors' diagnosis of hay fever and pollen asthma in German schoolchildren.** Expand Related Articles

Ordering Info. Riedinger F, Kuehr J, Strauch E, Schulz H, Ihorst G, Forster J. *Allergy*. 2002 Jun;57(6):488-492. PMID: 12028113 [PubMed - in process] From PubMed

Clinical Alerts **22** **American linden, *Tilia americana*.** Expand Related Articles

ClinicalTrials.gov Weber RW. *Ann Allergy Asthma Immunol*. 2002 May;88(5):A4. No Abstract Available. PMID: 12027081 [PubMed - indexed for MEDLINE] From PubMed

HSTAT LOCATORplus MEDLINEplus PubMed TOXNET

- Gateway confirms that the items have been added to your Locker.

Results (Logged in; not using preferences)
2 items were added to locker

Journal Citations (1 collection searched) **Download or Display** **Order Documents** **Put in Locker** **Deselect All**

Displaying items 21 - 40 of 8736 found

- Click on **Locker** on the Features Bar to see the contents of your Locker.

Note the green check indicating document delivery is available.

*Use **check box** to select one or more items. **Note:** If no items are selected, Gateway will **Order, Delete, or Download or Display all** items in the locker.*

*Use the **Order Documents** button to order documents using Loansome Doc.*

*Use the **Delete** button to delete items from the Locker*

*Use the **Download or Display** button to download or display items in your Locker.*

Locker (Logged in; not using preferences)
Document delivery is available for items marked .

Order Documents **Delete** **Download or Display**

1  **The development of a pollen information system for the improvement of QOL.**
Moriguchi H, Matsumoto M, Nishimoto Y, Kuwada K.
J Med Invest. 2001 Aug;48(3-4):198-209.
PMID: 11694960 [PubMed - indexed for MEDLINE]
From PubMed

2  **Factor analysis of asthma and atopy traits shows 2 major components, one of which is linked to markers on chromosome 5q.**
Holberg CJ, Halonen M, Solomon S, Graves PE, Baldini M, Erickson RP, Martinez FD.
J Allergy Clin Immunol. 2001 Nov;108(5):772-780.
PMID: 11692103 [PubMed - indexed for MEDLINE]
From PubMed

Locker Tips:

- ✓ If an item is already in your Locker, it will not be added again.
- ✓ Locker items remain until you delete them.
- ✓ There is a limit of 500 items that may be stored in your locker.

Preferences

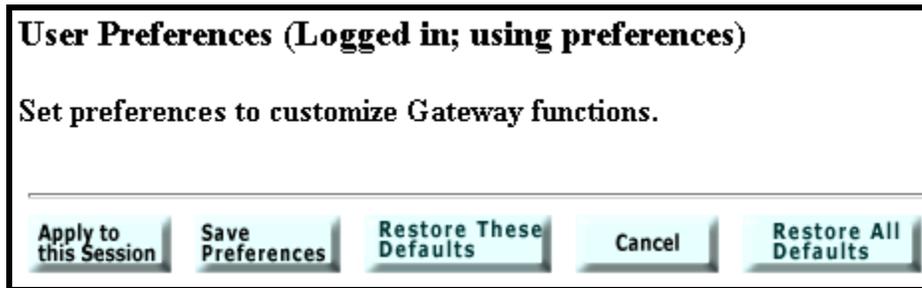
Preferences allows you customize your search settings, results display, download and display options, and Locker settings and to change your password.

- Click the **Preferences** button on the Features Bar to access the Preferences page.
- Preferences requires a user ID and password.



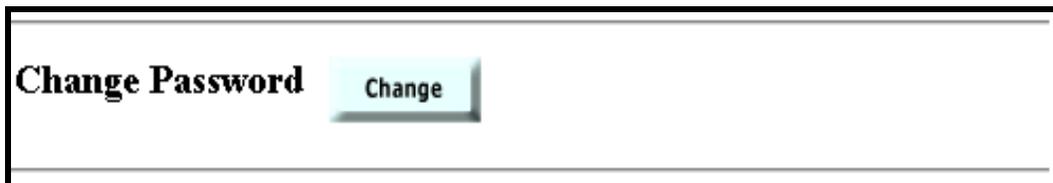
- You must login to use Preferences, if you are not already logged into your locker. The same User ID/password works for both the Gateway Locker and Preferences features.
- Loansome Doc User IDs acquired before 2001 are valid and may be used in the Gateway.

Initial screen:



- Use the **Apply to this Session** button to apply changes only to your current Gateway session.
- Use the **Save Preferences** button to apply changes to your current and future Gateway sessions.
- Use the **Restore These Defaults** button to return settings on the displayed page to the Gateway default settings.
- Use the **Cancel** button to quit your preferences session without making any changes.
- Use the **Restore All Defaults** button to return all settings to the Gateway default settings.

In **Preferences**, you can Change your password.



In **Preferences** you can customize your search settings, results display, download and display options, and Locker settings as follows:

Limits Preferences

The settings to limit searching and the number of items displayed are the same as those accessed through Limits on the Features Bar:

Limits

Search Subsets

List items per page English only

Publication dates (YYYY/MM/DD) from to (default is All Dates)

(Note: This limit is ignored for collections that do not support searching by date ranges)

Results Preferences

Use this Preferences option to customize the display formats and/or field selections in your displays for the various collections.

To customize by collection:

- Select collection from the pull-down menu for Customize Brief or Expanded Displays.
- Click on the **Select Fields** button.

Results

Brief Display Format

Expanded Display Format

Customize Brief or Expanded Displays

Download or Display

Details

Format

Destination

Download or send as

HSDB: Hazardous Substances Data Bank

HSRProj

LOCATORplus

MEDLINEplus Current Health News

MEDLINEplus Drug Information

MEDLINEplus Health Topics

MEDLINEplus Health Tutorials

MEDLINEplus Medical Encyclopedia

Meeting Abstracts

OMIM: Online Mendelian Inheritance in Man

PubMed

The graphic on this page and the following page shows the PubMed field selection screen.

- The check marks represent the default field selections for the Brief and Expanded display formats.

To Add a field to a Brief and/or Expanded display, click in the box for your field selection.

To Deselect a field, click on the check.

Click on appropriate button to save your selections.

Define PubMed Fields (Logged in; using preferences)

Customize Brief or Expanded Displays

Brief Format	Expanded Format	Field Name
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Abstract
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Abstract Available
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Affiliation
<input type="checkbox"/>	<input type="checkbox"/>	Article Identifier
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Author
<input type="checkbox"/>	<input type="checkbox"/>	Citation Subset
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Collective Name
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Comment in
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Comment on
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Copyright Information
<input type="checkbox"/>	<input type="checkbox"/>	Country
<input type="checkbox"/>	<input type="checkbox"/>	Date Completed
<input type="checkbox"/>	<input type="checkbox"/>	Date of Electronic Publication
<input type="checkbox"/>	<input type="checkbox"/>	Date Revised
<input type="checkbox"/>	<input type="checkbox"/>	Entrez Date
<input type="checkbox"/>	<input type="checkbox"/>	Entry Date
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Erratum for
<input type="checkbox"/>	<input type="checkbox"/>	Erratum in
<input type="checkbox"/>	<input type="checkbox"/>	Full Author Name
<input type="checkbox"/>	<input type="checkbox"/>	Full Investigator Name
<input type="checkbox"/>	<input type="checkbox"/>	Full Personal Name as Subject
<input type="checkbox"/>	<input type="checkbox"/>	Full Text URL
<input type="checkbox"/>	<input type="checkbox"/>	Gene Symbol
<input type="checkbox"/>	<input type="checkbox"/>	General Notes
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Grant Support
<input type="checkbox"/>	<input type="checkbox"/>	Investigator
<input type="checkbox"/>	<input type="checkbox"/>	Investigator Affiliation
<input type="checkbox"/>	<input type="checkbox"/>	ISSN
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Issue/Part/Supplement
<input type="checkbox"/>	<input type="checkbox"/>	Journal Title Code
<input type="checkbox"/>	<input type="checkbox"/>	Keyword Owner
<input type="checkbox"/>	<input type="checkbox"/>	Keywords
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Language
<input type="checkbox"/>	<input type="checkbox"/>	MEDLINE Citation
<input type="checkbox"/>	<input type="checkbox"/>	MeSH Date

Continuation of the Define PubMed Fields screen:

<input type="checkbox"/>	<input checked="" type="checkbox"/>	MeSH Terms
<input type="checkbox"/>	<input type="checkbox"/>	NLM Unique ID
<input type="checkbox"/>	<input type="checkbox"/>	Number of References
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Original Report in
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other Abstract
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other Copyright Information
<input type="checkbox"/>	<input type="checkbox"/>	Other ID
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Pagination
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Personal Name as Subject
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Publication Date
<input type="checkbox"/>	<input type="checkbox"/>	Publication History
<input type="checkbox"/>	<input type="checkbox"/>	Publication Status
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Publication Types
<input type="checkbox"/>	<input type="checkbox"/>	Publisher Link
Required	Required	PubMed ID (PMID)
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Record Status
<input type="checkbox"/>	<input type="checkbox"/>	Republished from
<input type="checkbox"/>	<input type="checkbox"/>	Republished in
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Retraction in
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Retraction of
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Secondary Source ID
<input type="checkbox"/>	<input type="checkbox"/>	Source
<input type="checkbox"/>	<input type="checkbox"/>	Space Flight/Mission
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Substances
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Summary for Patients in
<input type="checkbox"/>	<input type="checkbox"/>	Summary URL
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Title
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Title Abbreviation
<input type="checkbox"/>	<input type="checkbox"/>	Transliterated / Vernacular Title
<input type="checkbox"/>	<input type="checkbox"/>	Unique Identifier
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Update in
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Update of
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Volume Issue

Download or Display Preferences

- Use the pull-down menus to select the Details and Format of a display and its Destination.
- For use when you Send via Email, you can save one or more email addresses.
- You can save a generic “Added message” to be appended to your emails.

Download or Display
Details
Format
Destination
Download or send as
Address if sending via email
Added message if sending via email (optional)

Locker Preferences

- Locker items remain until you delete them.
- If you plan to order documents using the Gateway, you may wish to set your preferences to Remove items from your Locker after they have been ordered.

Locker
 Remove items from your Locker after they have been ordered.
 Send orders for the first ten unordered items in the Locker.

Practice Exercises

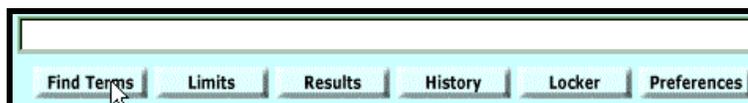
1. Search for information about *stroke*. Use the Find Terms feature to find and use the correct MeSH term.
2. Find meeting abstracts about multidrug resistant tuberculosis. (Hint: Use Limits feature) How many abstracts were retrieved? Search multi-drug resistant tuberculosis. Is there a difference in the number of abstracts retrieved?
3. Log into Preferences. (You will most likely need to create a User ID and Password) Customize your Brief format display for HSRProj: add the Project Status field and another field of your choice. Apply changes to this session. Search a topic of your choice. Display Results for Other Collections. Do the fields that you added display in the items from HSRProj?
4. Locate information on health care services for the homeless. Put HSRProj records for completed projects related to substance abuse in your locker. Go to your Locker and note availability of document delivery for those items.

Suggested Answers: Practice Exercises

1. Search for information about *stroke*. Use the Find Terms feature to find and use the correct MeSH term.

Step 1: Click on the **Find Terms** button on the features bar directly below the query box.

Click on
Find Terms



Step 2: Type in the term and click the **Find Terms** button to find the correct MeSH term.

Find Terms
Find terms, their definitions, and related terms, using NLM's MeSH and UMLS Metathesaurus.

stroke

Step 3: Click on **Add to Search** button to add the MeSH term for *stroke* to your search query.

Concept Details

Cerebrovascular Accident
A sudden, nonconvulsive loss of neurologic function due to an ischemic or hemorrhagic intracranial vascular event. In general, cerebrovascular accidents are classified by anatomic location in the brain, vascular distribution, etiology, age of the affected individual, and hemorrhagic vs. nonhemorrhagic nature. (From Adams et al., Principles of Neurology, 6th ed, pp777-810)

using Connector: or

Step 4: The Gateway places the term you added in the query box qualified by “[MeSH]”.
Use the Enter key or click on the **Search** button.



your entra
knowledge resour
National Library of

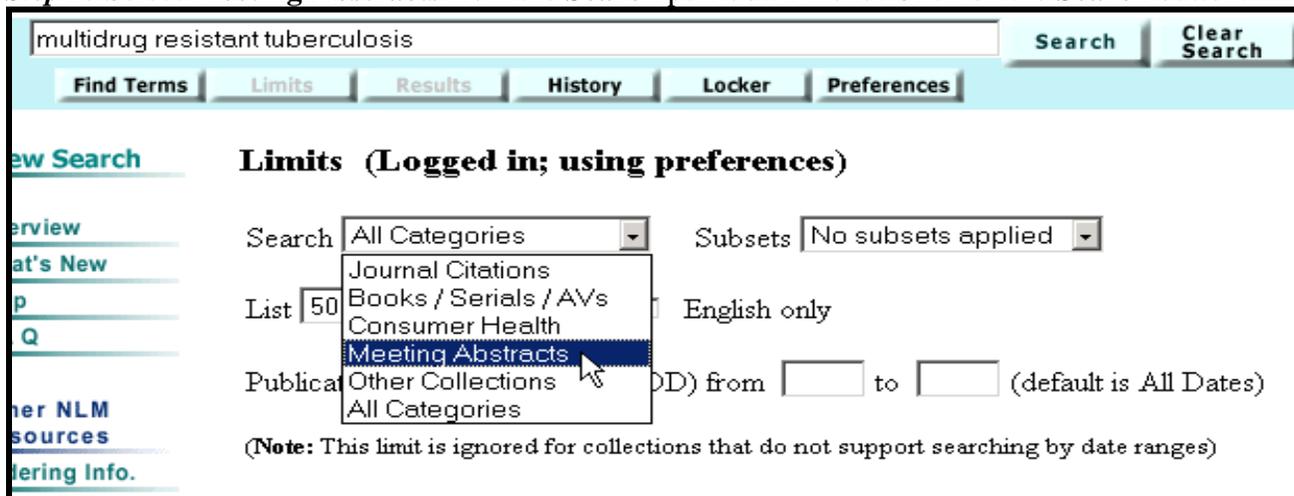
Cerebrovascular Accident[MESH]

- Find meeting abstracts about multidrug resistant tuberculosis. (Hint: Use Limits feature)
How many abstracts were retrieved? Search multi-drug resistant tuberculosis. Is there a difference in the number of abstracts retrieved?

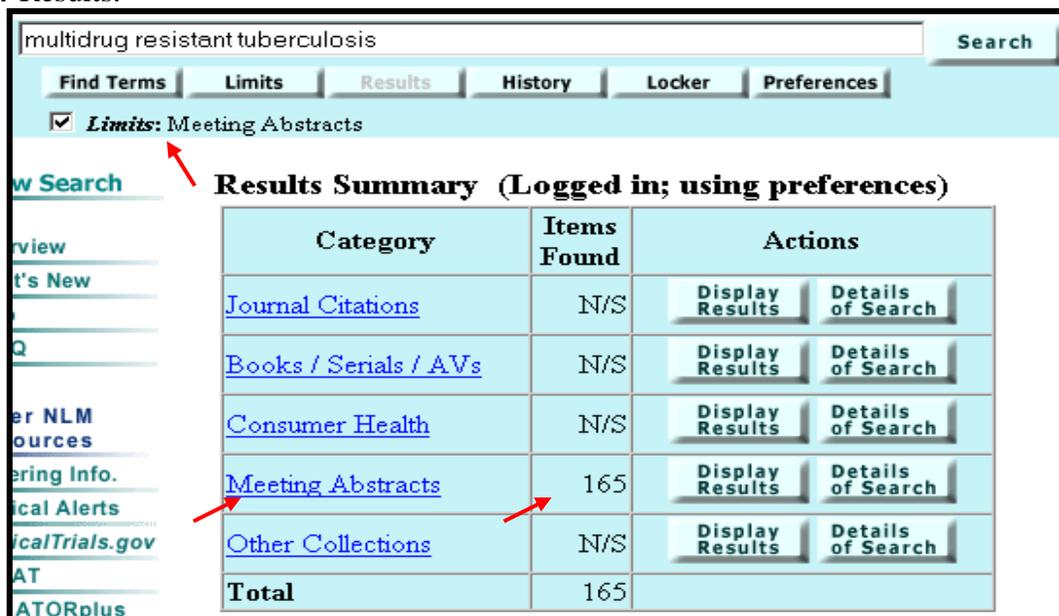
Step 1: Type > multidrug resistant tuberculosis < in the query box at the top of the Screen. Click on **Limits** to reach the Limits screen.



Step 2: Select **Meeting Abstracts** from the **Search** pull-down menu. Click on the **Search** button.



Step 3: Results.



Repeat Steps 1-3 using multi-drug resistant tuberculosis as your search query. Compare results.

- Log into Preferences. (You will most likely need to create a User ID and Password)
Customize your Brief format display for HSRProj: Add the Project Status field and another field of your choice. Apply changes to this session. Search a topic of your choice. Display Results for Other Collections. Do the fields that you added display in the items from HSRProj?

Step 1: Click on the **Preferences** button on the features bar directly below the query box.



Step 2: Enter (or create) your **User ID** and **Password**.

Step 3: Go to Customize Brief or Expanded Displays under **Results**. Select **HSRProj** from the pull-down menu and click on **Select Fields**.

Step 4: Add the 2 fields to the **Brief Format**. Click on **Apply to this Session**.

Define HSRProj Fields (Logged in; using preferences)

Customize Brief or Expanded Displays

Brief Format	Expanded Format	Field Name
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Performing Organization
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Population Base
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Project Status ←
<input type="checkbox"/>	<input checked="" type="checkbox"/>	State
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Study Design
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Study Population
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Supporting Agency
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Title
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unique Identifier
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Zip Code ←

Step 5: Enter your term(s) in the query box and search.

Display Results for Other Collections.

Note the augmented display for HSRProj items.

4. Locate information on health care services for the homeless. Put several HSRProj records for completed projects related to substance abuse in your Locker. Go to your Locker and note availability of document delivery for those items.

Step 1: Perform your search.

(Possible Search Query: health care services AND homeless AND substance abuse)

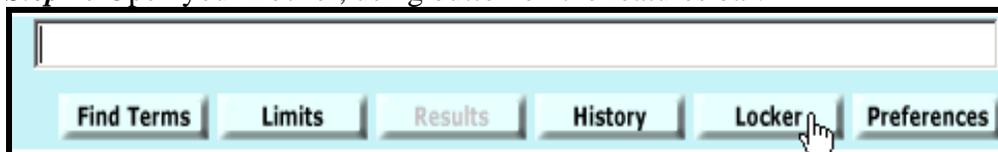
Step 2: View HSRProj results and select substance abuse related items for which the Project Status = Completed. (You customized the display in exercise #3 so the Project Status field will display in the Brief Display of the Results)

Homeless and at-risk youth health services.
 Nickerson, Nathan.
 Zip Code: 04101
 Project Status: Completed
 From HSRProj

Step 3: Put selected items in Locker, using button for Put in Locker function at top of results.



Step 4: Open your Locker, using button on the features bar.



Note absence of Green Check.

Locker (Logged in; using preferences)
 Document delivery is available for items marked ✓.

Order Documents Delete Download or Display

1 ✓ **Adverse effects of low hematocrit during cardiopulmonary bypass in the adult: Should current practice be changed?**
 Habib RH, Zacharias A, Schwann TA, Riordan CJ, Durham SJ, Shah A.
J Thorac Cardiovasc Surg. 2003 Jun;125(6):1438-50.
 PMID: 12830066 [PubMed - in process]
 From PubMed

2 **Homeless and at-risk youth health services.**
 Nickerson, Nathan.
 UI: HSRP97403410
 Project Status: Completed
 From HSRProj

3 **Contingent benefits in substance abusing mentally ill.**
 Ries, Richard K.
 UI: HSRP97300880
 Project Status: Completed
 From HSRProj

Document delivery for those items is not available